



## *Cotton/Soybean Insect Newsletter*

Volume 6, Issue #18

Edisto Research & Education Center in Blackville, SC

27 September 2011

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\*\*\*\*\* LAST NEWSLETTER FOR 2011 \*\*\*\*\*

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### **Pest Patrol Hotline**

The hotline will no longer be updated this season but will continue again next season. The hotline was sponsored by Syngenta.

### **Edisto Fall Field Day for Cotton and Soybean**

On 4 October (**Tues of next week**), we will have an afternoon field day for cotton and soybeans here at EREC.

- 🐾 **Registration** will begin at **4:00 PM**
- 🐾 Displays at the registration area will include information on management of soybean nematodes with combinations of nematicides and resistant cultivars, the bean plataspid/kudzu bug, and others
- 🐾 **The tour** highlighting soybean and cotton work at the station will be featured at **4:30 PM**
  - 🐾 Cotton and Soybean Official Variety Tests – Chris Ray and David Gunter
  - 🐾 Weed Management in Row Crops – Mike Marshall, Jacob Stokes & David Gunter
  - 🐾 Planting Dates for Soybeans – Pawel Wiatrak
  - 🐾 Sensor-Based Irrigation in Cotton – Ahmad Khalilian
  - 🐾 New Cultivars from Clemson – Emerson Shipe
  - 🐾 Cotton and Soybean Insect Management – Jeremy Greene
  - 🐾 Twin-Row Cotton and Soybeans – William Henderson
- 🐾 We will have **dinner** at **6:30 PM** (with a short dinner program)
  - 🐾 Welcome: John Mueller: Director, Edisto REC
  - 🐾 Remarks: Steven Meadows, Director, Clemson University Cooperative Extension Service; Larry McKenzie, South Carolina Farm Bureau; Hugh Weathers, Commissioner, South Carolina Department of Agriculture
  - 🐾 Invited Speaker: Mark Boudreau, University of Georgia, Athens: “Climate Outlook and Resources for South Carolina”

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### Bollworm & Tobacco Budworm

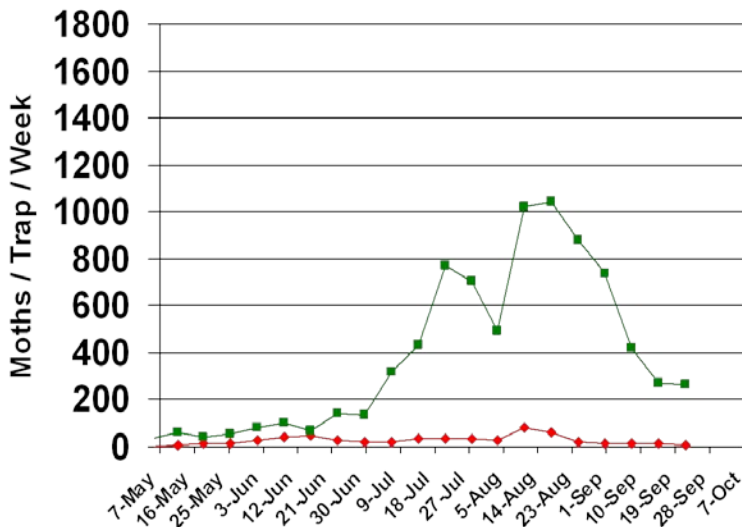


Captures of bollworm (BW) and tobacco budworm (TBW) moths in pheromone traps at EREC last season and this season are shown below. Trends remain similar, although we did not reach the levels observed in late August of last year. Damage in our non-Bt plots has been high this season. Tobacco budworm continues to be important for our soybean acres and for a limited number of non-Bt-cotton acres. I

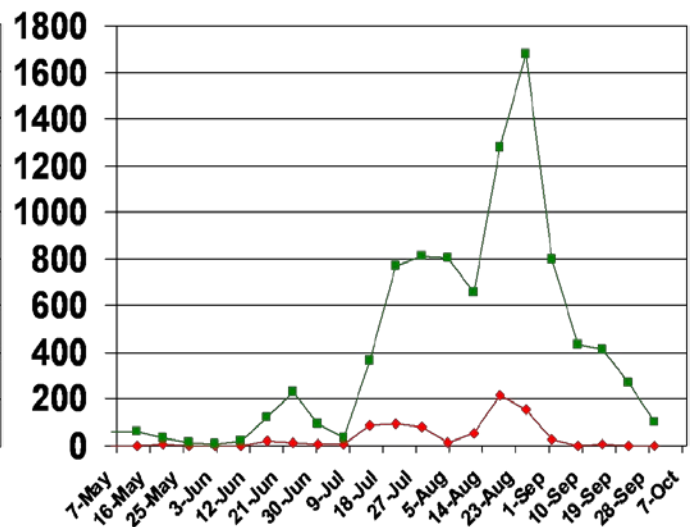
provide these data as a measure of moth activity in our local area where I use these data as an indication of moth presence and activity near my research plots. The numbers are not necessarily representative of the species throughout the state.



**Pheromone Trap Capture SC - 2011**



**Pheromone Trap Capture SC - 2010**



### Soybean Situation

As of 26 September 2011, the USDA NASS South Carolina Statistical Office had our progress at 97% of pods set, close to where we were last year at 95% and the 5-yr average of 96%. About 20% of soybeans have turned color, compared with 28% last year and 25% for the 5-yr average. About 3% of leaves have dropped, compared with 12 and 9% for last season and the 5-yr average, respectively. About 2% of soybeans were mature, equal to conditions last year and the 5-yr average at this point. Conditions for soybeans were reported as 11% very poor, 24% poor, 37% fair, 28% good and 0% excellent. These are observed/perceived state-wide averages.

### Kudzu Bug/Bean Plataspid

The kudzu bug (a.k.a. bean plataspid), *Megacopta cribraria*, was confirmed in every county in SC by mid-July of this year. It continues to spread in the Southeast. ***It has been found on kudzu, wisteria, lima beans, soybeans and other leguminous hosts. We only have 3 counties remaining from which the species has not***

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**been reported in soybeans: McCormick, Fairfield, and Georgetown. Commercial soybeans are not planted in these counties or are very difficult to locate. Please email me with reports from infested deer-plot soybeans in those counties (finding at least one on soybeans is 'infested'). That will count as positive on soybeans.**



Eggs



Nymphs



Adults



I took the following photographs this morning of some MGVII soybeans that were covered with kudzu bugs.

Portions of this field were treated about 2 weeks ago, so resurgence was rapid and excessive. We are still noting that selected pyrethroids (e.g. bifenthrin at 6.4 oz/acre) are doing a fine job of killing this species, but the quick re-infestation remains a problem. Some of our tests on residual control are showing that control is not lasting more than a few days at any appreciable level. Endigo at 4.5 oz/acre has also been another good treatment for this invasive species. Thresholds are still under development, and we should have plenty of data concerning this pest to share during the winter meetings.



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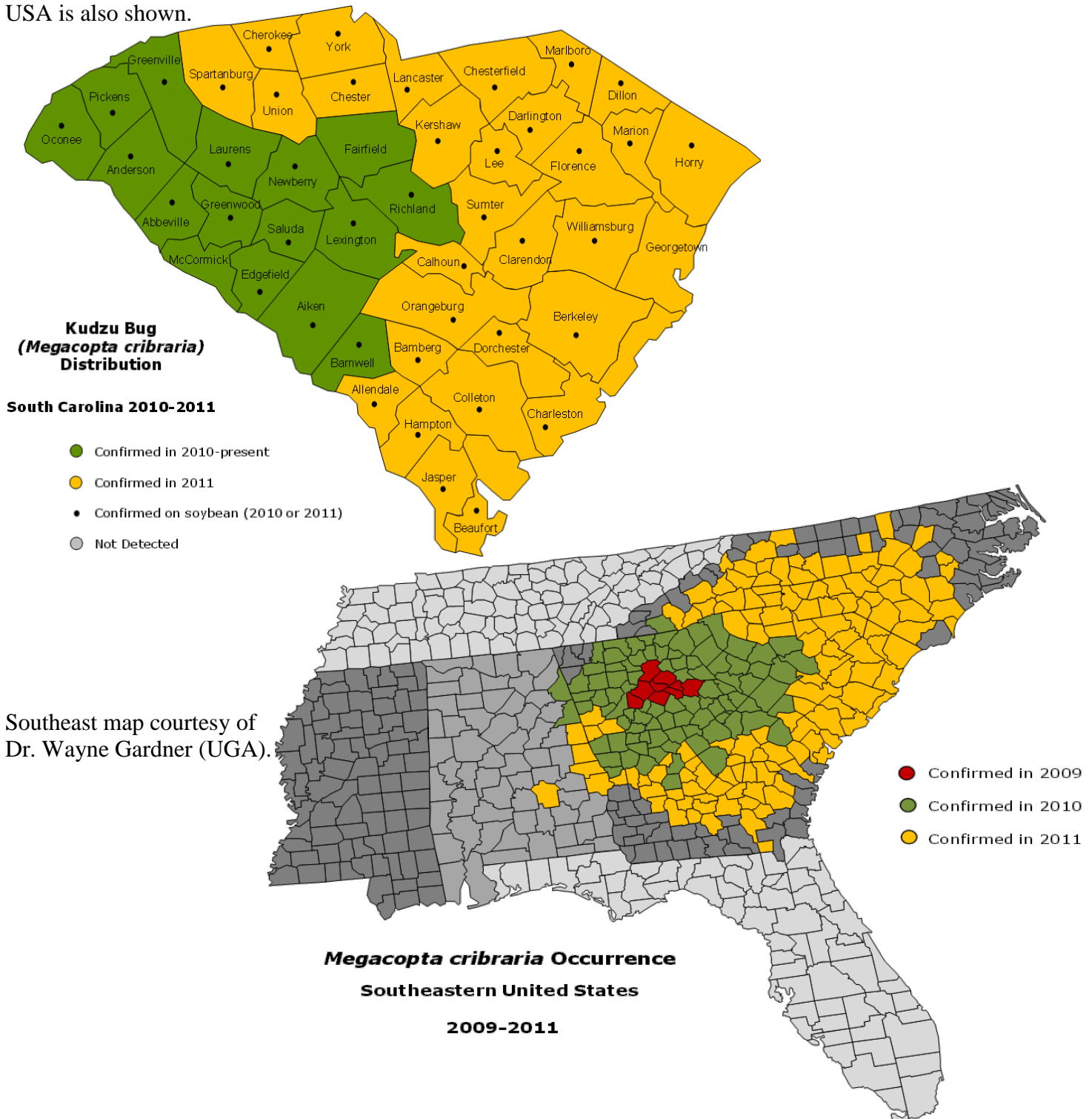
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We continue to document the distribution of the kudzu bug in SC and only lack 3 counties (McCormick, Fairfield, and Georgetown) not reporting them in soybeans. A map of the infested portions of the southeastern USA is also shown.



Southeast map courtesy of  
Dr. Wayne Gardner (UGA).

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### **Soybean Insect Control Guide**

Clemson University Publication SL1 (Soybean Insect Management) has been revised for 2011 and is available free from your local county office. It is also available online at:

<http://www.clemson.edu/psapublishing/pages/AGRO/SL1.PDF>

### **Pest Management Handbook - 2011**

Insect control recommendations are also available online in the 2011 Pest Management Handbook at:

<http://www.clemson.edu/extension/rowcrops/pest/index.html>

### **Need More Information?**

Log on to the following web pages to view important cotton management recommendations, data, and historical cotton/soybean insect newsletters:

For more cotton and soybean information:

<http://www.clemson.edu/public/rec/edisto/research/index.html>

For past newsletters:

[http://www.clemson.edu/extension/rowcrops/cotton/pest\\_management/newsletters/index.html](http://www.clemson.edu/extension/rowcrops/cotton/pest_management/newsletters/index.html)

Sincerely,

Jeremy K. Greene, Ph.D.

Associate Professor – Entomologist



Visit our website at:

<http://www.clemson.edu>

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